

**You will need:**

Equipment • A4 1cm<sup>2</sup> sheet of paper • Pencil • Ruler • Scrap Paper • Colouring Pencils • Eraser

You will be using the sheet of A4 paper to plan your zoo to scale. Each square that you plan to build on will cost you £10. You have a budget of £3,000 to spend on your whole design. The following buildings are compulsory and must be included in your design:

Minimum Number	Building	Area	Cost per Building (£10 per 1cm <sup>2</sup> )	Total Cost
1	Ticket Kiosk	2cm x 1cm		
1	Café	4cm x 3cm		
2	Ice Cream Shop	1cm x 1cm		
1	First Aid Post	2cm x 2cm		
1	Zoo Keeper Staff Room	3cm x 3cm		
1	Vet Hospital	5cm x 2cm		
2	Toilets	2cm x 3cm		
1	Gift Shop	3cm x 3cm		
1cm <sup>2</sup> footpath around each building			£0 - No Cost	
			<b>Total Cost:</b>	

What is your total spend on compulsory buildings?

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How much budget do you have remaining to complete your design?

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The following buildings are optional. You can choose if you would like them in your zoo:

Building	Area	Number of animals per building	Cost per Building (£10 per 1cm <sup>2</sup> )
Tree	1cm x 1cm	0	
Playground	3cm x 4 cm	0	
Tiger Enclosure	4cm x 5cm	2	
Tiger Enclosure	6cm x 8cm	6	
Sea Lion Enclosure	3cm x 4cm	4	
Reptile Enclosure	5cm x 3cm	50 Reptiles	
Flamingo Enclosure	3cm x 2cm	12	
Hippo Enclosure	6cm x 3cm	2	
Cheetah Enclosure	2cm x 9cm	5	
Chimp Enclosure	3cm x 7cm	6	
Petting Farm	4cm x 4cm	2 horse, 5 sheep, 6 chickens	
Penguin Pool	3cm x 5cm	15	
Red Panda Enclosure	2cm x 2cm	2	
Lemur Enclosure	6cm x 3cm	8	
Bug House	2cm x 4cm	1000 invertebrates	

Draw an aerial view (like you are looking down on your zoo from an airplane) of what your zoo will look like. Draw it to scale using the correct area.

